

### Abstract

The invention aims to decrease a processing load and power consumption for a path searcher during a soft hand-over process and fast search for multipath signals. The invention is so configured that correlation integrators 18a through 18h are divided into a group to search a base station as hand-over origin for multipath signals and another group to search a base station as hand-over destination for multipath signals. This makes it possible to simultaneously search the base stations as hand-over origin and destination for multipath signals. Consequently, a single process can search the base stations as hand-over origin and destination for multipath signals. It is possible to decrease a processing load and power consumption for the path searcher during the soft hand-over process. In addition, multipath signals can be searched fast.